

Direction and Control of the Search Function – “Winter SAR Operations”

WINTER SEARCH MANAGEMENT SEARCH AND RESCUE COURSE

**Kirkwood Mountain Resort, Alpine County, CA
January 29th – February 2nd, 2007**

“Direction and Control of the Search Function - Winter SAR Operations” is a 5-Day, 40-hour POST approved classroom and field instruction course with trained, professional, experienced instructors. The course is designed by the Governor’s Office of Emergency Services-Law Enforcement Branch for search and rescue coordinators in agencies that may need to conduct a search and rescue mission during severe winter conditions. The course is directed toward search and rescue coordinators, their alternates, team leaders and others having those management responsibilities.

Course objectives include:

- How to properly manage a winter search.
- Understand the importance of the Winter Search Pre-plan.
- Identification and utilization of winter resources; discuss their functions and limitations.
- Special considerations for cold weather operations.
- Understanding cold weather medical injuries and hypothermia.
- The selection of mountain backpacks, contents, and personal clothing.
- Identify key factors in avalanche rescue.
- Utilization of aircraft in winter operations.
- Winter ground search mobility (Nordic skiing, snow shoeing, special equipment, etc.).
- Personal survival in “winter” conditions (sheltering).

WHEN: January 29th – February 2nd, 2007.
You should arrive in the afternoon/evening of January 28th to check in. Class will begin at 0800 on Monday, January 29th.

WHERE: Kirkwood Mountain Resort, Alpine County, CA

DATE and TIME

CONFERENCE LOCATION & LODGING

January 29 th – February 2 nd , 2007 0800 – (ending time varies)	Kirkwood Fire Department 33540 Loop Road Kirkwood, CA 95646	Kirkwood Mountain Resort 1377 Kirkwood Meadows Drive Kirkwood, CA 95646
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RESERVATIONS – 1-800-967-7500

A block of rooms is being held for our students at Kirkwood Resort in the Sun Meadows Complex, starting Sunday, January 28th for five nights. Nightly rate is \$74 plus 12% tax. In order to keep the rate low there will be 4 to 6 people per “Unit” or room in the complex. All rooms have bunk beds and showers. Please call the resort as soon as possible to make your reservation. Be sure to let them know you’re confirming one of the rooms being held for the “OES GROUP”. **Reservations must be made by January 12, 2007.** For more information regarding the resort and direction go to www.kirkwood.com and click on **resort information** and **guest services**.

COURSE REGISTRATION: Enrollment is on a first-come, first-served basis when applications are received by our office. Applicants should register as soon as possible since class size is limited.

Telephone registration will not be accepted. After receiving your application we will mail you a student package.

TO REGISTER BY INTERNET (preferred)

Go to www.oes.ca.gov, OES Divisions and Regions, Law Enforcement Branch, Wilderness Search and Rescue. Click on the SAR Training schedule, fill in application form and click on submit.

TO REGISTER BY FAX

Complete the online application form, print and fax to OES, Law Enforcement Branch at (916) 845-8314 Attention Tonya Bagwill.

This course is certified by the California Peace Officer Standards and Training (POST) under Plan IV for full-time, regular law enforcement officers. Each student receives a manual, shoulder patch, lapel pin and a certificate upon course completion.

Winter SAR Management Clothing & Equipment List

CLOTHING (Layering essential to comfort and survival)

ABSOLUTLY NO COTTON!

1st Layer: Against the body “Underwear”, Head to toes! (Won’t Change)

- *Lightweight wicking/insulating underwear, long johns, liner socks, cap liner, glove/mitten liners, etc. Synthetics - Polypropylene, Capilene, Thermax, Polarmax, or equivalent or wool or silk.*

2nd Layer: Insulating Layer (Add or subtract as needed to regulate warmth)

- **TORSO:** *Wool or Synthetic – Fleece or pile jacket/sweater, insulated coat, vest, etc. Down okay but must use caution to avoid getting wet – Loses insulating ability.*
- **LEGS:** *Wool or Synthetic –Fleece pants, pile pants, wool pants, insulated pants, etc. (Again, down okay but use caution to avoid getting wet.)*
- **HEAD/NECK:** *Wool or Synthetic – Fleece/pile hat, cap, beanie, balaclava, neck gator, scarf, etc.*
- **FEET:** *Wool or Synthetic, mid to heavyweight socks (depending on intended footwear insulation).*
- **HANDS:** *Wool or Synthetic fleece liner gloves/mittens.*

3rd Layer: Outer Layer, protection from the environment – “Shell” (Won’t Change)

Wool is okay as an outer garment but it is not true “shell” protection. It will become saturated and heavy with moisture (maintains its insulating ability when wet, but is not windproof).

- **TORSO:** *Windproof / Waterproof shell parka/jacket preferably that breathes (Gore Tex or equivalent) and/or allows for venting during physical exertion, with attached hood. (Avoid insulated parkas/jackets as they make it difficult to regulate warmth – “Layering”.)*
- **LEGS:** *Windproof / Waterproof shell pants / powder pants preferably breathable (Gore Tex or equivalent). Windproof / Waterproof Gaiters to keep snow and moisture out of your boots.*
- **HEAD/NECK:** *Windproof / Waterproof cap, rain hat or the hood on the shell parka/jacket.*
- **FEET:** *Waterproof or waterproofed leather, leather/rubber combination, or thermoplastic mid to heavyweight quality hiking boots, ski boots, snow boots (Sorrel) that are large enough to allow layers of insulating socks. Insulated or fleece booties recommended for sleeping.*
- **HANDS:** *Windproof / Waterproof shell gloves/mittens or lightly insulated gloves/mittens.*

MANDATORY EQUIPMENT

(Know your gear and make sure it works!)

Backpack: Internal or external frame capable of carrying and supporting extra clothing and gear required for the winter environment. *(Should fasten to your body in such manner that it moves with your body.)*

Tent: *(4-Season preferred)* or Bivy Sack or Shelter Material for Snow Cave/Trench

Ground Cloth: Space blanket or ground cloth equivalent

Sleeping Bag: Winter weight “down” or synthetic *(No Cotton Bags)*

Sleeping Bag Pad: A minimum of two (2) to insulate body from the snow.
(Closed cell foam to not absorb moisture – “Ensolite”, etc. Or, “Thermarest”)

Lighting: Head lamp and/or flashlight with extra batteries. Back packers’ candle/candle lantern for camp *(candles are good for 6 hrs.)*

Fire Starter: Matches/Lighter *(Waterproof)*

Cooking: Stove, fuel, cooking kit, eating utensils. *(White gas stoves work best at altitudes and in the extreme cold.)*

Water: A minimum of 2 quarts per person *(Insulate your water bottles to keep them from freezing, especially at night while sleeping)*

Food: For a dinner and a breakfast meal: Freeze-dried or dehydrated for light weight *(whatever suits your taste)*

Snacks: For the trail, high carbohydrates, that does not require cooking

Beverage mix as desired *(Coffee, Tea, Cider, Cocoa, etc.)*

First Aid Kit: Personal & comfort kit *(toilet paper, sunscreen, lip balm, etc.)*

Eye Protection: Sunglasses *(with Lanyard)*, goggles or glacier glasses
(100% UV protection mandatory during snow work.)

Navigation: Map and Compass and/or GPS, etc.

Signaling Device: Whistle, signal mirror, flagging tape, etc.

Travel Aid: X-Country skis and poles (wax-less, metal-edged mountaineering skis with heavy duty mountaineering bindings, 3 pin, cable, etc. – avoid lightweight track skis) and/or snowshoes and poles

Snow Shovel: Avalanche shovel or grain scoop *(no “entrenching tools”)*

Nylon Cord: *(Utility for sheltering, equipment repair, ski climbing skins, etc.)*

Warmth: Disposable hand/toe warmer packs for unbearably cold fingers/toes

Other: Whatever you desire as a necessity for your own comfort and “SURVIVAL”!